

JUL 21 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Edward A. Ramsden

Assignee: Lattice Semiconductor Corporation

Title: Analog-to-Digital Converters

Serial No.: 10/687,468 Filing Date: October 15, 2003

Examiner: Howard L. Williams Group Art 2819 Unit:

Docket No.: M-15273 US

**OFFICIAL**

Irvine, California  
July 21, 2004

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION

Dear Sir:

In response to the Office Action dated May 5, 2004,  
Applicants submit the following amendments and remarks.

LAW OFFICES OF  
MACPHERSON KWOK  
CHEN & HEID LLP

2402 Michelson Drive  
SUITE 210  
Irvine, CA 92612  
(949) 752-7040  
FAX (949) 752-7049

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED  
CENTRAL FAX CENTER

JUL 21 2004

OFFICIAL


Applicant(s): Edward A. Ramsden  
Assignee: Lattice Semiconductor Corporation  
Title: Analog-to-Digital Converters  
Serial No.: 10/687,468 Filing Date: October 15, 2003  
Examiner: Howard L. Williams Group Art Unit: 2819  
Docket No.: M-15273 US

Irvine, California  
July 21, 2004

Mail Stop Amendment  
Fax No.: (703) 872-9306

## CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that the following Response to Office Action (11 pages) and Transmittal (1 page) is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Dated: July 21, 2004  
Greg J. Michelson, Reg. No. 44,940Total Pages: 13

**PLEASE CONFIRM RECEIPT OF THIS PAPER BY  
RETURN FACSIMILE AT (949) 752-7049**

MacPherson Kwok Chen & Heid LLP  
1762 Technology Drive  
Suite 226  
San Jose, California 95110  
Telephone: (949) 752-7040  
Fax: (408) 392-9262

LAW OFFICES OF  
MACPHERSON KWOK CHEN  
& HEID LLP

1762 TECHNOLOGY DRIVE  
SUITE 226  
SAN JOSE, CA 95110  
(949) 752-7040  
FAX (408) 392-9262

Fax to USPTO

-1-

Serial No. 10/367,323

**MacPherson Kwok Chen & Heid LLP**

1762 Technology Drive, Suite 226

San Jose, CA 95110

Tel. (408) 392-9250

Fax (408) 392-9262

Email: mailbox@macpherson-kwok.com

2402 Michelson Drive, Suite 210

Irvine, CA 92612

Tel. (949) 752-7040

Fax (949) 752-7049

July 21, 2004

Mail Stop AMENDMENT  
 Commissioner For Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Re: Applicant(s): Edward A. Ramsden  
 Assignee: Lattice Semiconductor Corporation  
 Title: Analog-to-Digital Converters  
 Serial No.: 10/687,468  
 Examiner: Howard L. Williams  
 Docket No.: M-15273 US  
 Filed: October 15, 2003  
 Group Art Unit: 2819

Dear Sir:

Transmitted herewith are the following documents in the above-identified application:

- (1) Facsimile Transmittal Sheet;
- (2) This Transmittal Letter; and
- (3) Response to Office Action (11 pages).

- ☒ No additional fee is required.  
☐ The fee has been calculated as shown below:

**CLAIMS AS AMENDED**

	Claims Remaining <u>After Amendment</u>		Highest No. Previously Paid For		Present Extra	Rate	Additional Fee
Total Claims	15	Minus	21	=	0	x \$18.00	\$ 0
Independent Claims	3	Minus	3	=	0	x \$86.00	\$ 0
<input type="checkbox"/> Fee of _____ for the first filing of one or more multiple dependent claims per application							\$
<input type="checkbox"/> Fee for Request for Extension of Time							\$
<b>Total additional fee for this Amendment:</b>							\$
<input checked="" type="checkbox"/> Conditional Petition for Extension of Time: If an extension of time is required for timely filing of the enclosed document(s) after all papers filed with this transmittal have been considered, an extension of time is hereby requested.							\$
<input type="checkbox"/> Please charge our Deposit Account No. 50-2257 in the amount of							\$ \$0
<input checked="" type="checkbox"/> Also, charge any additional fees required and credit any overpayment to our Deposit Account No. 50-2257							\$
<b>Total:</b>							\$ \$0

**Certification of Facsimile Transmission**

I hereby certify that this paper is being facsimile transmitted to  
 the U.S. Patent and Trademark Office on the date shown below.

*Tina Kavanagh*  
 Tina Kavanagh

July 21, 2004

Respectfully submitted,

*Greg J. Michelson*

Greg J. Michelson  
 Attorney for Applicants  
 Reg. No. 44,940